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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jos F. Pasqua Examiner #: 67362 Date: 2/27/03
Art Unit: 3727 Phone Number 308-1153 Serial Number: 09/871 358
Mail Box and Bldg/Room Location: CP2-9E08 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: 1/28/00

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

- free-standing pouch
 - flexible material
 - ★ - plural spouts at perimeter of container
 - ★ - opening in side wall (anywhere on pouch)
 - nice to get tube/straw in one or both spouts
 - bite valve
 - (also nice, not necessary)
- } in same invention preferred

STAFF USE ONLY

Searcher: JEANNE HERRIGAN
Searcher Phone #: 305-5934
Searcher Location: CP2-2C08
Date Searcher Picked Up: 2/28
Date Completed: 2/28
Searcher Prep & Review Time: 47
Clerical Prep Time: _____
Online Time: 68

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ☒ _____
Litigation _____
Fulltext ☒ _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog ☒ _____
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

February 28, 2003

TO: Jes Pascua, Art Unit 3727
CP2, Room 9-E-08

FROM: Jeanne Horrigan
ASRC Searcher in EIC3700 *JH*

SUBJECT: Search Results for Serial 09/871358

Attached are the search results for the multispout pouch, including results of inventor and prior art searches in foreign/international patent databases and prior art searches in product and packaging non-patent literature databases.

The results are organized into three sets:

- Results of inventor search in foreign/international patent databases;
- Results of prior art search in foreign/international patent databases; and
- Results of non-patent literature search.

Results appear after the database names and search strategy used for those results. I tagged items that I thought seemed most relevant, but **I suggest that you review all of the results.**

Also attached is a search feedback form. Completion of the form is voluntary. Your completing this form would help us improve our search services.

I hope the attached information is useful. Please feel free to contact me (phone 305-5934 or email jeanne.horrigan@uspto.gov) if you have any questions or need additional searching on this application.

Do not remove.

Searcher: Jeanne Horrigan

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February 28, 2003

Serial 09/871358

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200314

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

File 371:French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	38	AU='BROWN D B'
S2	1	AU='ROBERTSON B. J'
S3	0	S1 AND S2
S4	39	S1:S2
S5	27707	POUCH?? OR FLASK? ?
S6	0	S4 AND S5

File 348:EUROPEAN PATENTS 1978-2003/Feb W04

File 349:PCT FULLTEXT 1979-2002/UB=20030220,UT=20030213

>>>No sets currently exist

[Inventors' names are not listed in these two databases.]

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File 248:PIRA 1975-2003/Feb W4

File 53:FOODLINE(R): Food Science & Technology 1972-2003/Feb 26

File 240:PAPERCHEM 1967-2003/Feb W4

File 51:Food Sci.&Tech.Abs 1969-2003/Feb W3

File 252:Packaging Sci&Tech 1982-1997/Oct

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

Set	Items	Description
S1	56909	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S2	52646	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S3	1951	S1(10N)S2
S4	1062	S1(3N)S2
S5	9676	SPOUTS OR MULTISPOUT OR OPENINGS
S6	156	S1(3N)S5
S7	144	RD (unique items)
S8	5	S7/2003 OR S7/2002 OR S7/2001
S9	139	S7 NOT S8
S10	32334	S1/TI,DE
S11	128	S9 AND S10
S12	4745	S5/TI,DE
S13	86	S11 AND S12
S14	86	Sort S13/ALL/PY,D
S15	3	MULTISPOUT OR (SEVERAL OR MANY OR MULTIPLE) () SPOUTS
S16	2	RD (unique items)
S17	12897	POUCH OR POUCHES
S18	1592	SPOUTS OR MULTISPOUT
S19	25	S17(2N)S18
S20	12	S19 NOT S14
S21	12	RD (unique items)
S22	1142973	2 OR TWO
S23	880644	THREE OR 3
S24	1592	SPOUTS
S25	5	S22()S24
S26	0	S23()S24
S27	26120	MULTIPLE
S28	0	S27().S24
S29	0	MORE(2W)ONE() SPOUT

21/6,K/1 (Item 1 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.

00609753 Pira Acc. Num.: 20205525

Title: Refill pouch and packaging machine

Publication Year: 2001

...Abstract: has changed from 10mm band of straight lines to angled shape type, and currently refill **pouches** with **spouts** are dominant. Toyo Jidoki KK has designed pouch packaging machinery, which it claims enables packaging...

21/6,K/2 (Item 2 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.

00609298 Pira Acc. Num.: 20205165

Title: Stand-up pouches face healthy future

Publication Year: 2001

...Abstract: being developed by Mitsubishi and Toyo Jidoki. Softpac is aiming at 600 units/min with **spouts**. Preformed **pouches** also offer filling speed advantages.

21/6,K/3 (Item 3 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00605685 Pira Acc. Num.: 20201968

Title: Stand up pouch revolution: responding to consumers

Publication Year: 2001

...Abstract: technical developments recently introduced in this area include new dispensing features such as welded in **spouts** and new **pouch** materials such as oxygen barriers. Consumer lifestyles are also driving the move towards stand up...

21/6,K/4 (Item 4 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00589468 Pira Acc. Num.: 20187527

Title: Sweet innovations spread

Publication Year: 2000

...Abstract: follows the recent trend in the packaging of sweet spreads in squeezable bottles and foil **pouches** with dispensing **spouts**. (Short article)

21/6,K/5 (Item 5 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00545726 Pira Acc. Num.: 20146874

Title: Kohler introduces Spout-Pouch

Publication Year: 1999

Abstract: Kohler Flexible Packaging's plant in Cape Town, South Africa, can now manufacture **pouches** with reclosable **spouts**. These polyethylene Spout-Pouches are suitable for both stand up and flat pouches and can...

21/6,K/6 (Item 6 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00538624 Pira Acc. Num.: 20139913

Title: Design innovations increase demand for stand-up pouches

Publication Year: 1999

...Abstract: by 2003, as the market evolves from the wobbly pillow pouch with difficult pouring, to **pouches** with **spouts**, caps and even zippers, making pouring easier for the consumer. Growth is estimated at 5...

21/6,K/7 (Item 7 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00521254 Pira Acc. Num.: 20122074

Title: 1998 packaging market trends: biaxially orientated nylon film

Publication Year: 1998

...Abstract: advantage compared to the solid containers and bottles. Applications for the film, such as standing **pouches** with **spouts** for liquid products, are rapidly growing areas. Several grades with value added features are commercially...

21/6,K/8 (Item 8 from file: 248)

DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.
00499121 Pira Acc. Num.: 20100897

Title: Reevaluation of drink containers

Publication Year: 1997

...Abstract: the design of drink containers needs to be reassessed. Flexible packages such as stand up **pouches** with **spouts** are considered to be the best approach for the future. Changes in drinks retailing, as...

21/6,K/9 (Item 1 from file: 53)

DIALOG(R)File 53:(c) 2003 LFRA. All rts. reserv.

00427077 FOODLINE ACCESSION NUMBER: 436496

Machine and method for making a plastic film pouch and attaching a spout thereto.

PATENT: WO 9710947 A1

ABSTRACT: The patent describes a machine and method for manufacturing plastic film **pouches** having **spouts** attached. The machine can also fill the pouch prior to sealing and discharge of the...

21/6,K/10 (Item 2 from file: 53)

DIALOG(R)File 53:(c) 2003 LFRA. All rts. reserv.

00255169 FOODLINE ACCESSION NUMBER: 267294

Fresh approaches to existing packaging (IPACK-IMA 91).

1991

...ABSTRACT: Industrial Machinery, held in Milan, Italy, in March 1991.

Reference is made to stand-up **pouch** packaging with **spouts** for pourable products (Cheer pack and classPak), the Fresh Keeper film from Montefiore, which extends...

21/6,K/11 (Item 1 from file: 252)

033791 92-04-j0017

(More than only refill packages. New flat-bottom pouches.)

Mehr als nur Nachfuellpacks. Neue Standbodenbeutel. 1992,

21/6,K/12 (Item 1 from file: 583)

DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09085035

Central Pack Enters Drink-Pouch Market with New Packaging Process

JAPAN: CENTRAL PACK INTRODUCES NEW PACKAGING

Dec 1998

Central Pack intends to introduce beverages in **pouches** with drinking **spouts** in Japan in spring 1999. The company has become the first in the food industry...

... a large food processor with milk- and coffee-based beverages and other nutritional drinks in **pouches** with drinking **spouts**. It will offer products for invalids and the elderly in the future.

25/6,K/2 (Item 1 from file: 240)

DIALOG(R)File 240:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00249231 PAPERCHEM NO: AB5809140

Carton for Liquid

PUBLICATION YEAR: 1986

...corners of the container, which when cut or torn, can be folded out to form **two spouts**, one for pouring the liquid and the other to provide a passage for air during...

25/6,K/3 (Item 2 from file: 240)

DIALOG(R)File 240:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00202722 PAPERCHEM NO: AB5503691

Furnace for Recovery of Black Liquor

PUBLICATION YEAR: 1983

...ore from a pipe for circulation of cold water. The accumulated char is withdrawn from **two spouts** installed at the side at different heights near the bottom. This arrangement can prevent the...

25/6,K/5 (Item 1 from file: 51)

DIALOG(R)File 51:(c) 2003 FSTA IFIS Publishing. All rts. reserv.

00079536 74-05-f0193 SUBFILE: FSTA

(Pourer for the lids of boxes containing a pulverulent product, e.g. salt.)
1973

...lid so that it can rotate about its axis. On top of the disc are 2
spouts, each of which, or a solid portion of the disc, can be registered
with a...

25/7/1 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2003 Pira International. All rts. reserv.

00330504 Pira Acc. Num.: 10139670 Pira Abstract Numbers: 03-92-04961

Title: SALAD DRESSING AND THE PACKAGING DEVELOPMENT

Authors: Anon

Source: Packag. Jpn vol. 13, no. 70, July 1992, pp 43-45

ISSN: 0288-3864

Publication Year: 1992

Document Type: Journal Article

Language: English

Pira Subfiles: International Packaging Abstracts (PK)

Journal Announcement: 9212

Abstract: Consumer demands have led to a proliferation of salad dressings with many different flavours and health benefits. Most are packaged in glass bottles. Once, only one shape of bottle, a flat shape, was used, but now round bottles are becoming popular because they are more stylish, easier to handle, and take up less shelf space. QP, who have more than 50% of the market, use round bottles. Examples of containers include a blow moulded bottle for mayonnaise and a plastics bottle with two spouts. Small portions of dressings are packaged in sachets or portion cups. Mini bottles used for soy sauce have problems to be solved before they can be used for dressings.

25/7/4 (Item 3 from file: 240)

DIALOG(R)File 240:PAPERCHEM

(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00008712 PAPERCHEM NO: AB3808712

CONTAINER FOR FROZEN PRODUCT

Cummings, J. G.; Maskell, R. N.; Container Corp. of America

PATENT NUMBER: US 3352472 PATENT DATE: 671114 PATENT CLASS#: 229-14

SOURCE: U.S. pat. 3,352,472. Issued Nov. 14, 1967. 11 claims. [Cl. 229-14] M. 6346-7.

PUBLICATION YEAR: 1967

DOCUMENT TYPE: PATENT

LANGUAGES: ENGLISH

A container for pkg. a liquid food prod. which is to be quick-frozen after pkg. consists of a plastic bag held in an outer pbd. carton. The bag has two spouts, one for filling the bag, and one permitting sampling of the bag contents after freezing. The spouts can be closed by heat-sealing or the like. In a modification, a carton is provided which holds four of the bags; this carton includes a partitioning structure and venting means which facilitates the quick-freeze operation.

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File 9:Business & Industry(R) Jul/1994-2003/Feb 27

File 20:Dialog Global Reporter 1997-2003/Feb 28

File 619:Asia Intelligence Wire 1995-2003/Feb 27

File 13:BAMP 2003/Jan W2

File 15:ABI/Inform(R) 1971-2003/Feb 28

File 112:UBM Industry News 1998-2003/Feb 28

File 608:KR/T Bus.News. 1992-2003/Feb 28

File 636:Gale Group Newsletter DB(TM) 1987-2003/Feb 26

Set	Items	Description
S1	388306	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S2	1322270	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S3	12375045	ONE
S4	11088219	1
S5	10611734	TWO
S6	8900324	2
S7	388306	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S8	1322270	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S9	12797423	THREE OR 3
S10	4082188	MULTIPLE OR SEVERAL
S11	0	MULTISPOUT() POUCH??
S12	1722	SPOUTS
S13	12	S5() S12
S14	1	S6() S12
S15	8	S9() S12
S16	0	S10() S12
S17	0	S1(10N) S13: S15
S18	19	S13: S15
S19	8	S18/2003 OR S18/2002 OR S18/2001
S20	11	S18 NOT S19
S21	10	RD (unique items)
S22	10	Sort S21/ALL/PD,D
S23	70176	OPENINGS
S24	426	S5() S23
S25	22	S6() S23
S26	246	S9() S23
S27	249	S10() S23
S28	0	S1(3N) S24: S27
S29	1	S1(10N) S24: S27

22/6,K/1 (Item 1 from file: 608)

DIALOG(R) File 608:(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06792283 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Houston Ballparks Newest Feature Offers Activities for Children

July 20, 2000

WORD COUNT: 672

22/6,K/2 (Item 2 from file: 20)

DIALOG(R) File 20:(c) 2003 The Dialog Corp. All rts. reserv.

12027180 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Houston Ballparks Newest Feature Offers Activities for Children

July 20, 2000

WORD COUNT: 617

... up from a home plate as children whack the water with a bat. There are **three** **spouts** on the plate through which the water can come up to show the locations of...

Searcher: Jeanne Horrigan

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22/6,K/3 (Item 3 from file: 20)

DIALOG(R)File 20:(c) 2003 The Dialog Corp. All rts. reserv.

11687294 (USE FORMAT 7 OR 9 FOR FULLTEXT)

El Pollo Loco Makes a Splash With New Summer Beach Buckets

June 26, 2000

WORD COUNT: 436

... and pool fun. The bucket is made of durable plastic with a removable lid and **two spouts** for easy pouring. When the beverage is gone, the bucket serves as a sturdy beach...

22/6,K/4 (Item 4 from file: 20)

DIALOG(R)File 20:(c) 2003 The Dialog Corp. All rts. reserv.

10016822 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Japanese professor shows his love for Bayat pottery

March 12, 2000

WORD COUNT: 1068

... the kendi (water jug) used by the villagers.

The kendi has a long neck with **two spouts** shaped like bubbles.

Such design is estimated to have existed since the coming of Islam...

22/6,K/5 (Item 5 from file: 20)

DIALOG(R)File 20:(c) 2003 The Dialog Corp. All rts. reserv.

07701994 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Alternative investments: Feats of clay will have their day: These 'pots' won't hold water - but they could pay top dividends in the new century

October 10, 1999

WORD COUNT: 818

... prices for Baldwin and Henderson are puny compared with Voulkos. The earthenware 'developed bottle' with **two spouts** by Baldwin, 67, retired head of ceramics at Eton College, fetched a modest pounds 2...

22/6,K/6 (Item 6 from file: 20)

DIALOG(R)File 20:(c) 2003 The Dialog Corp. All rts. reserv.

06719304 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Drinking In The Purity Of Water Fit For The Queen

August 14, 1999

WORD COUNT: 757

22/6,K/8 (Item 8 from file: 608)

DIALOG(R)File 608:(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

00298805 Story Number: 18744 (USE FORMAT 7 OR 9 FOR FULLTEXT)

CORN-LOADING CREWS ADJUST TO STAFFING CUTS

September 27, 1995

WORD COUNT: 621

...TEXT: longshoremen working each grain spout, three longshoremen will work one spout, five will work when **two spouts** are operating and seven will work when **three spouts** pour grain into a ship's hold...

22/6,K/9 (Item 9 from file: 608)

DIALOG(R)File 608:(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

00278707 Story Number: 17835 (USE FORMAT 7 OR 9 FOR FULLTEXT)

WEST COAST LONGSHOREMEN'S DEMANDS TO EMPHASIZE JOB PRESERVATION

May 25, 1995

WORD COUNT: 748

...LEAD PARAGRAPH: longshoremen are assigned to an elevator when one spout is working, five are assigned when **two spouts** are working and

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seven when **three spouts** are working. This is a reduction from the previous "4-8-12 Agreement," Mr. Johnson...

22/6,K/10 (Item 10 from file: 636)

DIALOG(R) File 636: (c) 2003 The Gale Group. All rts. reserv.

01137740 Supplier Number: 40909225 (USE FORMAT 7 FOR FULLTEXT)

Fresh Pour Milk & Juice Spout MANUFACTURER: J.G. Bosco Inc. CATEGORY:

Beverage-Related

August 21, 1989

Word Count: 153

TEXT:

...be placed on the dinner table instead of transferring the contents into a special container. **Two spouts** are packaged together in a blister-pack and have a suggested retail of \$1.99...

22/7/7 (Item 7 from file: 9)

DIALOG(R) File 9: Business & Industry(R)

(c) 2003 Resp. DB Svcs. All rts. reserv.

01493245

Ready Bru Iced Tea Concentrate

(Beverage House launches Ready Bru Iced Tea Concentrate, 100% brewed and caffeine-free tea; 16 fl oz makes 32 quarts of tea)

Lookout-Foods, v XIX, n 9, p 088F-96

May 14, 1996

ABSTRACT:

Beverage House (Atlanta, GA) has introduced Ready Bru Iced Tea Concentrate, which is said to be 100% brewed and caffeine free. Presweetened and unsweetened concentrate is available in Regular, Tropical and Raspberry varieties, while unsweetened is also available in lemon. A 16 fl oz bottle is said to make 32 quarts (8 gallons) of 'premium brewed iced tea.' The plastic bottle has **2 spouts**, one for pouring, 1 for measuring. Availability in Southeastern US markets has been confirmed. Ready-to-drink teas are seeing waning popularity; growth in 1995 was 14%, vs 94% in 1993 and 50% in 1994 (according to Supermarket News). Iced tea growth is expected to continue to fall, possibly to 5% by 1999. Tea bags are still used for hot and iced tea; the latter is still a favorite summer drink for many. In 1995, the US consumed 51.9 gal per capita of soda, vs 10.4 gal for bottled water and 2.24 gal for iced tea. The new product, which can also be used for hot tea, may gain users due to its quickness vs tea bags. The handy measuring cup that the product provides may tip the scale in favor of this offering.

29/3,K/1 (Item 1 from file: 13)

DIALOG(R) File 13: BAMP

(c) 2003 Resp. DB Svcs. All rts. reserv.

01248141 03310155 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Testing shows MDI emissions insignificant: From commercial boards and polyurethane-bonded substrates. (Environmental Update)

Article Author(s): Parekh, Premal P; Karoly, William J

Adhesives & Sealants Industry, v 9, n 1, p 20(3)

February 2002

ISSN: 1070-9592 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1945

TEXT:

...piece silanized PYREX(R) (4) glass container made by modifying a 12-liter

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round-bottom **flask** (bottom piece). The lid had **several openings** to allow for airflows, temperature measurements, RH measurements, exhaust and sampling ports. During the testing...

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File 16:Gale Group PROMT(R) 1990-2003/Feb 26

File 160:Gale Group PROMT(R) 1972-1989

File 148:Gale Group Trade & Industry DB 1976-2003/Feb 27

File 570:Gale Group MARS(R) 1984-2003/Feb 26

File 621:Gale Group New Prod. Annou. (R) 1985-2003/Feb 26

File 649:Gale Group Newswire ASAP(TM) 2003/Feb 27

File 47:Gale Group Magazine DB(TM) 1959-2003/Feb 27

Set	Items	Description
S1	311776	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S2	889324	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S3	32254	PC=3074
S4	66	PC=2752222 (LITHOPRINTED PACKAGING POUCHES)
S5	12374320	TWO OR 2
S6	7027436	3
S7	3206168	SEVERAL
S8	1218703	MULTIPLE
S9	5469892	THREE
S10	7027436	3
S11	889324	SPOUT OR SPOUTS OR OPENING? ?
S12	1374	S5()S11
S13	317	S6()S11
S14	263	S7()S11
S15	184	S8()S11
S16	433	S9()S11
S17	317	S10()S11
S18	1	S1(5N)S12:S17
S19	20	S1(S)S12:S17
S20	4	S3:S4 AND S12:S17
S21	24	S18:S20
S22	18	RD (unique items)
S23	2	S22/2003 OR S22/2002 OR S22/2001
S24	16	S22 NOT S23
S25	16	Sort S24/ALL/PD,D

25/6,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

12375293 SUPPLIER NUMBER: 63267590 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Frontline Valve Bag Applicator.

March, 2000

WORD COUNT: 113 LINE COUNT: 00012

This is a modern and flexible automatic linear valve **bag** applicating system that is especially suitable for the automation of **multiple - spout** in-line filling installations. Behn and Bates Maschinenfabrik GmbH & Co KG of Robert-Bosch Strasse...

...51/97 96-2 60 tell us it can handle common polyethylene and paper valve **bags** even of different sizes reliably.

With this system, the chosen portal construction will ensure the...

25/6,K/2 (Item 2 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

06596803 Supplier Number: 55587836 (USE FORMAT 7 FOR FULLTEXT)

NEW MACHINERY/EQUIPMENT.

August, 1999

Word Count: 1795

... seed, fertilizer, rice and petrochemical resin industries, the new PolyStar bagger uses a two-station **bag** handling system to increase

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packaging speed and efficiency. Multiwall paper, polyethylene or woven **bags** can be packed with from 20 to 110 pounds of free-flowing product at speeds up to 15 **bags** per minute. Standard features include automatic discharge of rejected **bags** ; no-tool changeover within five minutes; a high-capacity **bag** magazine; safety-interlocked clear panel doors; and the company's **two - spout** system for fast filling and minimal dusting.

Thiele Technologies, A Barry-Wehmler Co., (612) 782...

25/6,K/3 (Item 3 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

05716996 Supplier Number: 50187997 (USE FORMAT 7 FOR FULLTEXT)

Dragon puts squeeze on

July 2, 1998

Word Count: 106

... flexible flanges that create the closure's child resistant products. This ensures that, even after **multiple openings** , the threads remain undistorted.

PRODUCT NAMES: 3074710 (Plastic Closures)

25/6,K/4 (Item 4 from file: 47)

DIALOG(R)File 47:(c) 2003 The Gale group. All rts. reserv.

05113263 SUPPLIER NUMBER: 20485065 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Chipper/shredders. (Outdoor Power Equipment: A Gardener's Guide)

March, 1998

WORD COUNT: 667 LINE COUNT: 00057

... models the coarsely chipped limb material passes through these flails as well.)

CHIPPER/SHREDDERS have **two openings** in which to insert organic waste: tapered chutes for large branches, and larger hoppers for...

...shredders dispose of the finished material in various ways depending on the model: into a **bag** ; onto the ground; or through an elevated pipe into a cart or truck...

25/6,K/5 (Item 5 from file: 148)

DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

08963663 SUPPLIER NUMBER: 18662414 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Singing a song of himself. (self-promoter Dick Morris) (On Politics) (Column)

Sep 16, 1996

WORD COUNT: 860 LINE COUNT: 00067

... that supposed to be a secret? If so, Morris let the cat out of the **bag** last week when he told Time he was responsible for: 1) Having the

president sign health, welfare, tobacco regulations; 2) **Opening** night at the convention; 3) Hillary Rodham Clinton's speech; 4) Al Gore's speech...

25/6,K/6 (Item 6 from file: 47)

DIALOG(R)File 47:(c) 2003 The Gale group. All rts. reserv.

04391850 SUPPLIER NUMBER: 17611852 (USE FORMAT 7 OR 9 FOR FULL TEXT)

One-of-a-kind gifts to make.

Nov 21, 1995

WORD COUNT: 2216 LINE COUNT: 00165

... Stitching: Lining Run basting stitches along curve (dashline) of end pieces; gather slightly. Fold **bag** piece in half (9" x 6") ; pin end pieces inside fold, right sides facing; adjust fabric to fit curve, top edges even. Stitch; leave 3 " **opening** on one side. Pin interfacing to the wrong side of **bag** piece; stitch across to edge only Outer **Bag** Stitch gold satin same as lining; do not leave opening...

25/6,K/7 (Item 7 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.
03700681 Supplier Number: 45239350 (USE FORMAT 7 FOR FULLTEXT)

Singer Adds Opening Models

Jan 2, 1995

Word Count: 163

TEXT:

...its niche in the lower-end floor-care business, Ryobi Motor Products has begun shipping **two opening** price-point Singer soft **bag** uprights. Both products will be formally introduced at this month's International Housewares Show in...

25/6,K/8 (Item 8 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.
03628207 Supplier Number: 45114793 (USE FORMAT 7 FOR FULLTEXT)

Breakthrough in Canadian market

Nov 3, 1994

Word Count: 213

... will fill 20 and 25kg open-mouth multi-wall paperbags with plastics inner liners.

The **bags** are automatically loaded from a 6-pile magazine via an OMBP2 placer. This directs the open-mouth of the **bag** to an inflatable head on a **3 - spout** rotary carousel to create a dust-proof seal.

An E55DS model nett weigher/doser, with...

25/6,K/9 (Item 9 from file: 148)

DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.
07501439 SUPPLIER NUMBER: 15699301 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Making artificial organs work.

August-Sept, 1994

WORD COUNT: 5037 LINE COUNT: 00394

... flowing into the patient's left ventricle to the aorta, the body's largest artery. **Two openings** admit tubes connected to the outside (for air and electricity); the power source is small enough to be carried in a shoulder **bag** by the patient. Patients awaiting heart transplants have lived over a year with this device...

25/6,K/10 (Item 10 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.
03342385 Supplier Number: 44627035

Grocery Markets To Change Look, Name

April 26, 1994

ABSTRACT:

...to open 2 stores in Albuquerque, NM, with both locations having undergone renovations from being **Bag-N-Saves**. The \$300,000 renovations include new uniforms, and more shelving and the stores...

...with discount stores, calling the new locations their version of deep-discount grocery stores. The **2 openings** bring the number of SO LO stores in the Southwest to 6, and the company...

25/6,K/11 (Item 11 from file: 148)

DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.
06122782 SUPPLIER NUMBER: 12683279 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Satas promotes PSA technology in books and seminars. (adhesives consultant

Donatas Satas) (Consultant's Corner) (Column)

February 28, 2003

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Sept, 1992

WORD COUNT: 1734 LINE COUNT: 00137

... the food packaging business. We need an FDA-approved adhesive for the edges of nylon **bags**. The product should have low peel strength and be resealable after **several openings**.

A: There are a number of modern acrylic copolymer pressure sensitive adhesive systems -- both waterborne...

25/6,K/12 (Item 12 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

02280260

Fresh Pour Milk & Juice Spout MANUFACTURER: JG Bosco Inc CATEGORY: Beverage-Related

August 21, 1989

FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 151

... be placed on the dinner table instead of transferring the contents into a special container. **Two spouts** are packaged together in a blister-pack and have a suggested retail of \$1.99...

PRODUCT CODE: 3074700

25/6,K/13 (Item 13 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01552819

BEMIS INTRODUCES NEW AUTOMATIC VALVE BAG PLACER.

December 4, 1986

Bemis Packaging Service Machinery Co. announces the addition of their Series 5521 Automatic Value **Bag** Placer to their full line of packaging machinery. The Series 5521 Value **Bag** Placer selects, opens, and places pasted paper value **bags** or poly value **bags** on a valve packer's spout. It operates with a programmable controller and features a...

... new machine features an open clean design, a user friendly control panel, and a large **bag** magazine. It can achieve speeds up to 10 **bags** per minute, depending on **bag** size, construction, fill time, take-away time, and the number of spouts being serviced. The placer will apply **bags** to all Bemis auger or air value **bag** packers for either a single or **multiple spout** application and can be adapted to most existing value **bag** packaging equipment. ...

25/6,K/14 (Item 14 from file: 148)

DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

02971965 SUPPLIER NUMBER: 04427765 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Dealing with a wound that drains 1.5 liters a day.

Aug, 1986

WORD COUNT: 866 LINE COUNT: 00063

... skin barrier. Allow the cement to dry until it becomes tacky.

Photo: Apply the ostomy **bag** to the cemented area of the skin barrier after removing the paper backing from the **bag**. Take pains to align the edges of the **two openings**. Then wash the skin around the wound with soap and water...

25/6,K/15 (Item 15 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01226520

Carnation ups safety, keeps unit cost level.

July, 1985

... rotating PE top on a high impact polystyrene (HIPS) base. The

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product is dispensed through 2 **openings** for either spooning or shaking.
The TE feature is achieved by a molded, perforated seam...
PRODUCT CODE: 3074710 ; 2051240

25/6,K/16 (Item 16 from file: 148)

DIALOG(R) File 148:(c)2003 The Gale Group. All rts. reserv.

02174391 SUPPLIER NUMBER: 03416621 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The patient with a fistula, a colostomy, and an ileal conduit.

Sept, 1984

WORD COUNT: 2325 LINE COUNT: 00177

... its way out by the fistulaa as well as by the ileal conduit.

Of the **three openings**, the fistula was the most difficult to seal because it was located within a groove two centimeters deep in Mr. Alwin's lower abdomen. After the skin barrier and **bag** were in place the drainage would seep out of the right side of the groove...physician advised reduced activities for a week, and the bleeding stopped. Handling two more complications

Three openings in the abdomen, each with its own difficulties, were enough to tax anyone's nursing skills. Yet there were two additional problems. One was how to apply drainage **bags** to three areas without the seals of the **bags** overlapping. The other was the parastomal hernia.

It was important to keep the seals separate.show files

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200314

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

File 371:French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	170018	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S2	1059444	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S3	2426581	TWO
S4	9222021	2
S5	529947	THREE
S6	6818997	3
S7	486084	SEVERAL
S8	322704	MULTIPLE
S9	424954	PLURALITY
S10	1	MULTISPOUT
S11	15683	SPOUT OR SPOUTS
S12	42	S3()S11
S13	30	4()S11
S14	16	5()S11
S15	15	6()S11
S16	9	7()S11
S17	7	8()S11
S18	73	9(2W)S11
S19	22	S4()S11
S20	3	S5()S11
S21	26	S6()S11
S22	10	S7()S11
S23	9	S8()S11
S24	39	S9(2W)S11
S25	13	S1(S)(S12 OR S19:S24)

25/26, TI, K/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014576087

WPI Acc No: 2002-396791/200243

Feeding apparatus for packaging machine has bag delivery device for successive supply of bags received by receiving device to bag holders of packaging machine

Abstract (Basic):

... an endless track with each conveyor rail capable of being loaded with and unloaded of **multiple spout equipped bags** from one end. The rail is also capable of supporting spout portions of the **bags** in such a manner that the **bags** are movable to the axial direction. An INDEPENDENT CLAIM is also included for feeding method for spout equipped **bags** to packaging machine...

25/26, TI, K/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013345623

WPI Acc No: 2000-517562/200047

Automatic supply apparatus for bag, includes secondary pulley of delivery unit arranged on upper surface of band conveyor to separate and convey the top spout bag by winding control of belt

Abstract (Basic):

... A delivery unit (25) has belt (36) wound around primary and

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secondary pulleys (29,35). **Multiple spout bags** are conveyed in layers on a band conveyor (11). The secondary pulley is arranged on...
...of conveyor, so that winding control of belt by conveying feed belt, separates the top **bag** from consecutive **bag**. The **bag** is conveyed until the **bag** opening contacts the supply end stopper.

25/26, TI, K/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012667472

WPI Acc No: 1999-473578/199940

Pouch for liquid detergent - has knob section formed in outer side of seal guide sections which are coupled with both ends of easily openable seal section of spout formed in upper section of pouch body

...Abstract (Basic): ADVANTAGE - The seal breaking function of the **pouch** is simplified by providing spout with easily openable seal section. The content of the **pouch** is easily extracted through the spout.

DESCRIPTION OF DRAWING(S) - The figure shows the partial exploded view of the **pouch**. (1) **Pouch**; (2,4) **Seal sections**; (3) **Spout**; (5) **Seal guide section**; (6) **Knob section**...

25/26, TI, K/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012617579

WPI Acc No: 1999-423683/199936

Filling spout equipped plastic bags manufacturing method - involves welding and sealing sides of spout inserted in open end of bag, before filling with liquid content

...Abstract (Basic): OF DRAWING(S) - The figure shows the schematic view of different manufacturing stages of plastic **bags** with spout. (1) **Bag**; (2) **Spout**; (9) **Cap**...

25/26, TI, K/7 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012501543

WPI Acc No: 1999-307648/199926

Pouch with spout for beverages - has rigid extension rod with multiple lightening projections which is clung into pouch

...Abstract (Basic): lightening projections. DESCRIPTION OF DRAWING(S) - The figure shows partial cross-sectional isometric view of **pouch**. (1) **Pouch**; (2) **Spout**; (6) **Extension rod**; (7) **Lightening projections**...

25/26, TI, K/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012419255

WPI Acc No: 1999-225363/199919

Pouch with spout for beverage, cosmetics, liquid detergent, seasoning liquid - has transformation extension unit provided at spout and inserted into pouch inner side

...Abstract (Basic): ADVANTAGE - The insertion of a transformable extension unit to inner side of the **pouch** extends the **pouch** after filling it with contents and this prevents damage to **pouch** as it gets piled up.

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The spout enables to pour out contents to the last drop. DESCRIPTION OF DRAWING(S) - The figure gives partial cross- section isometric view of the **pouch** . (1) **Pouch** ; (2) **Spout** ; (6) Transformable extension unit...

25/26, TI, K/9 (Item 9 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012369211

WPI Acc No: 1999-175318/199915

Pouch with spout - has packaging bag body made of plastic film with expandable formation inside, attached to opening of the spout

...Abstract (Basic): ADVANTAGE - Facilitates emptying of contents fully.

Prevents contact with packaged item inside of **bag** body. Facilitates easy manufacture without requiring any special process. DESCRIPTION OF DRAWING(S) - The figure shows a general arrangement cross sectional view of a **bag** body. (1) Packaging **bag** body; (2) **Spout** ; (3) Tunnel-like expandable formation; (4) Opening...

25/26, TI, K/10 (Item 10 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012341766

WPI Acc No: 1999-147873/199913

Packaging bag for foodstuff, cosmetics - has spout section comprising multiple bend prevention mechanism established adjacent to opening support mechanism provided in one corner of bag unit

...Abstract (Basic): spout section is prevented by providing the bend prevention mechanism. The contents of the packaging **bag** is easily removed by maintaining stable flow until the last minute. The seal breaking function is simplified. DESCRIPTION OF DRAWING(S) - The drawing shows a general view of a packaging **bag** . (2) **Spout** section; (3) Opening support mechanism; (4) Bend prevention mechanism; (5) Simple-to-open seal processing...

25/26, TI, K/11 (Item 11 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012308364

WPI Acc No: 1999-114470/199910

Plastic stand pouch used for storage of wines, fruit juice - has check valve provided in spout for allowing pouring out contents and for checking entry of external air

...Abstract (Basic): DESCRIPTION OF DRAWING(S) - The drawing shows a longitudinal cross-sectional view of plastic stand **pouch** . (2) Body; (3) **Spout** ; (7) Check valve...

25/26, TI, K/12 (Item 1 from file: 347)

DIALOG(R) File 347: JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

07245914

CARRYING DEVICE FOR BAG WITH SPOUT AND ROTARY RECEIVING AND DELIVERING DEVICE

ABSTRACT

PROBLEM TO BE SOLVED: To stably deliver **bags** with spouts received continuously from a rotor of a continuously manufacturing device for a **bag**

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with a spout to a rail type carrying device on a downstream side at high...
... and delivering device 14 is provided with a receiving and delivering
rotor 25 with a plurality of spout holding parts 24 in the surrounding
and a driving means for intermittently rotating the receiving...

25/26, TI, K/13 (Item 2 from file: 347)

DIALOG(R) File 347: JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

06881060

METHOD AND DEVICE FOR DETECTING LEAK FROM POUCH

ABSTRACT

... provide a method and device for easily and surely detecting whether or
not spout-equipped pouches are leaking, prior to packing of contents into
the pouches .

SOLUTION: The method for detecting leaks from the pouch includes feeding a
pressurized gas into a plurality of empty spout-equipped pouches 1, detecting
the internal pressure of each pouch 1 and, if there is a difference in
internal pressure between the pouches, determining that the pouches are
leaking. After each pouch 1 is inserted into a slit-like space 26 formed by
a pair of opposite plate-shaped regulating members 25A, 25B, the gas is fed
into the pouch and inflation of the pouch caused by the feeding of the gas is
regulated by the opposite regulating members 25A ...

25/7/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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014140926 **Image available**

WPI Acc No: 2001-625137/200172

Liquid container suitable for containing liquid nourishment, such as
intestinal nourishment has gusset that can be formed in width
substantially equal to that of the side walls

Patent Assignee: HOSOKAWA YOKO KK (HOSO-N); ICHIKAWA T (ICHI-I)

Inventor: ICHIKAWA T

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010036326	A1	20011101	US 2001842901	A	20010427	200172 B
EP 1155674	A2	20011121	EP 2001303891	A	20010427	200176
JP 2001309964	A	20011106	JP 2000130186	A	20000428	200206

Priority Applications (No Type Date): JP 2000130186 A 20000428

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20010036326 A1 9 B65D-033/14

EP 1155674 A2 E A61J-015/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI TR

JP 2001309964 A 5 A61J-001/10

Abstract (Basic): US 20010036326 A1

NOVELTY - Container (1) includes container body (4) formed from
laminate film in shape of bag, and having pair of side walls (2) and
pair of gussets (3) extended between opposite edges of side walls,
respectively; and mouthpiece (8) provided with flange (7) attached to
an open end part of container body, and two spouts (5, 6) formed on it.

DETAILED DESCRIPTION - Each gusset is capable of being folded in
two along fold line (3a) inward, flange has end surfaces (7a) on side

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of gussets and side surfaces (7b) on side of the walls, the folded gussets are extended from end surfaces to side surfaces of flange so that folds of gussets folded in two are positioned on side surfaces (3b), respectively.

USE - Liquid container suitable for containing liquid nourishment, such as intestinal nourishment

ADVANTAGE - capable of standing alone and of being used as a water supply container after being emptied

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of a liquid container

container (1)

pair of side walls (2)

pair of gussets (3)

body (4)

two spouts (5, 6)

flange (7)

mouthpiece (8)

pp; 9 DwgNo 1/8

Derwent Class: Q32

International Patent Class (Main): A61J-001/10; A61J-015/00; B65D-033/14

International Patent Class (Additional): B65D-030/20; B65D-033/16;

B65D-033/36

25/7/4 (Item 4 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013202773 **Image available**

WPI Acc No: 2000-374646/200032

Disposable packaging container especially for hot beverage e.g. coffee bought from coffee shop has two flexible bags within outer shell, with handle on shell, and spout in each bag

Patent Assignee: J & M COFFEE CONTAINER CO INC (JMCO-N)

Inventor: ANDREWS J P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6053401	A	20000425	US 98105815	A	19980626	200032 B

Priority Applications (No Type Date): US 98105815 A 19980626

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6053401	A	18	B65D-005/4805		

Abstract (Basic): US 6053401 A

NOVELTY - The container includes an outer shell (114) having an integral handle and two flexible **bags** (122,132) within the outer shell. The shell also defines **two spouts** (124,134) on opposing walls, with fluid able to be poured from either spout via a mouth (120,130). The **bags** are insulated and can be used to contain two different hot liquids e.g. normal and decaffeinated coffee.

USE - The container is especially for a hot beverage e.g. coffee bought from a coffee shop.

ADVANTAGE - The container is disposable, compact, insulated for safe handling of very hot liquid and easy to carry.

DESCRIPTION OF DRAWING(S) - The drawings show two cross-sectional views of a beverage container where liquid is being poured out.

outer shell (114)

mouths (120,130)

Searcher: Jeanne Horrigan

20

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flexible bags (122,132)

spouts (124,134)

pp; 18 DwgNo 8c,8d/9

Derwent Class: Q32

International Patent Class (Main): B65D-005/4805

International Patent Class (Additional): B65D-005/63; B65D-005/74

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File 348:EUROPEAN PATENTS 1978-2003/Feb W04

File 349:PCT FULLTEXT 1979-2002/UB=20030220,UT=20030213

Set	Items	Description
S1	115021	POUCH OR POUCHES OR BAG OR BAGS OR FLASK OR FLASKS
S2	341242	SPOUT OR SPOUTS OR MULTISPOUT OR OPENING? ?
S3	1525443	2
S4	1035933	TWO
S5	573057	THREE
S6	1500402	3
S7	486096	SEVERAL
S8	313873	MULTIPLE
S9	497765	PLURALITY
S10	1	MULTISPOUT
S11	5865	SPOUT? ?
S12	5862	S2()S11
S13	44	S3()S11
S14	49	S4()S11
S15	11	S5()S11
S16	28	S6()S11
S17	5	S7()S11
S18	2	S8()S11
S19	40	S9(1W)S11
S20	9	S13:S19(10N)S1

10/6/1 (Item 1 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00504674 **Image available**

HAND-HELD OR FIXED MASSAGE SHOWER

20/6,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

01423442

Apparatus and method for feeding spout-equipped bags to a bag filling machine

...ABSTRACT track. Each conveyor rail (61) is capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** from one end thereof and capable of supporting the spout portions of the bags in...

...SPECIFICATION and has a bag support portion capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** at at least one end in the axial direction thereof. The bag support portion is...and has a bag support portion capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** at at least one end in the axial direction thereof. The bag support portion holds...

...that has a bag support portion capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** at at least one end in the axial direction thereof. The bag support portion holds...

...conveying bags of continuous length each capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** at at least one end in the axial direction thereof. The holding members for conveying...

...bag loading tool. The tool is capable of being loaded with and unloaded of a plurality of **spout** -equipped **bags** at at least one end in the axial direction thereof and capable of supporting the...

20/6,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

01371036

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Spout sealing method and apparatus

...SPECIFICATION bags and spouts, and
the spout main-sealing apparatus holding the spouts of temporarily sealed **bags**, that have attached spouts, by means of a **plurality** of **spout** holding members disposed on a circumference of a continuously rotating rotor, the spout main-sealing...the cold-sealing apparatus and cold-sealed. This cold-sealing apparatus holds the spouts of **bags** by means of a **plurality** of **spout** holding members that are disposed on the circumference of a continuously rotating rotor, and performs...
...CLAIMS bags and spouts, and
said spout main-sealing apparatus holding said spouts of temporarily sealed **bags** with attached spouts by means of a **plurality** of **spout** holding members disposed on a circumference of a continuously rotating rotor, said spout main-sealing...
...primary sealing apparatus and a secondary sealing apparatus, each of which holding said spouts of **bags** with attached spouts by means of a **plurality** of **spout** holding members disposed on a circumference of a continuously rotating rotor and performing main sealing...
...to Claim 1 or 2, wherein:
a cold-sealing apparatus which holds said spouts of **bags** with attached spouts by means of a **plurality** of **spout** holding members that are disposed on a circumference of a continuously rotating rotor and which...

20/6,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

01371035

Spout insertion apparatus

...ABSTRACT A2
An apparatus (2) for inserting spouts into **bags** comprising a **plurality** of **spout** holding members (26) disposed at equal intervals on the circumference of a continuously-rotating rotating...
...CLAIMS A2
1. A spout insertion apparatus which inserts spouts into specified positions inside **bags**, wherein said spout insertion apparatus is comprised of:
a **plurality** of **spout** holding members disposed at equal intervals on a circumference of a continuously rotating rotor so...

20/6,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

00358056

Pouch pourspout.

...SPECIFICATION pour the product out cleanly because of the lack of a pouring spout.
German Patent 3,244,762 has already disclosed a side-sealed **bag** for a flowable product, in which a discharge nozzle composed of a separately injection-moulded...

20/6,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

00244253

Cover for a storage container for liquid.

...CLAIMS 3) according to claims 1 or 2, characterized in that it is oval.
4. Cover (3) according to claims 1, 2 or 3 for closing an opening in a storage container (15) surrounded by an...

20/6,K/9 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00429448 **Image available**

BAG FILLING, CLOSING, AND SEALING MACHINE

MACHINE A REMPLIR, FERMER ET SCELLER DES SACS

Publication Year: 1998

Detailed Description

... swung between a first, bag receiving position as shown in Fig. 3, and a second, bag release position as shown in Fig. 2 .

Spout 2 is preferably of the clam shell type, and is comprised of a pair of...20/3,ab,k/4,5,8

20/3,AB,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00690664

Improved opening system for gable top shaped containers having a prefolded pouring spout.

Giebelbehälter mit vorgefaltetem Aufguss zur Vereinfachung des Öffnens.

Recipient a sommet en forme de pignon pourvu d'un bec verseur preforme pour faciliter l'ouverture.

PATENT ASSIGNEE:

THE PROCTER & GAMBLE COMPANY, (200173), One Procter & Gamble Plaza,
Cincinnati Ohio 45202, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;NL;PT;SE)

INVENTOR:

van den Berg, Michiel Willem Adriaan, Ketelbergstraat 10, B-3120 Tremelo,
(BE)

Deflander, Joseph Fernand, Elleveldweg 28, B-3150 Wespelaar, (BE)

Decaluwe, Robert Corneel, Bouwdreef 2, B-2910 Londerzeel, (BE)

Tack, Joris Jozef Gustaaf, E. Opdebeecklaan 5, B-3140 Keerbergen, (BE)

LEGAL REPRESENTATIVE:

Canonici, Jean-Jacques et al (57861), Procter & Gamble European Technical
Center N.V. Temselaan 100, B-1853 Strombeek-Bever, (BE)

PATENT (CC, No, Kind, Date): EP 659648 A1 950628 (Basic)

APPLICATION (CC, No, Date): EP 93870240 931222;

PRIORITY (CC, No, Date): EP 93870240 931222

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL;
PT; SE

INTERNATIONAL PATENT CLASS: 365D-005/06;

ABSTRACT EP 659648 A1

The invention relates to a gable-top container comprising a container body, a bottom at a first end of the body, means for closing said container at a second end of the body, and means for sealing said closing means, said sealing means comprising areas of high adhesive force and low adhesive force, the areas of low adhesive force comprising two surfaces each having raised and lowered parts adjacent to and alternate with one another to form a pattern, said raised and lowered parts adhering to one another when the closing means is sealed characterized in that the lowered part of the surface comprises at the center a prefolded pouring spout. (see image in original document)

ABSTRACT WORD COUNT: 117

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

February 28, 2003

Serial 09/871358

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	165
SPEC A	(English)	EPAB95	1720
Total word count - document A			1885
Total word count - document B			0
Total word count - documents A + B			1885

...SPECIFICATION spout according to the invention can be executed on plastic refill packs such as the **pouch**. In another execution there could be **two** spouts on one package in order to have the maximum benefit and comfort to use the...

20/3,AB,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00399223

Flexible pouch with reinforcement to facilitate pouring.**Flexibler Beutel mit verstärkter Ausgiesszone.****Sachet souple renforce pour faciliter le versement.**

PATENT ASSIGNEE:

Colgate-Palmolive Company (a Delaware corporation), (433134), 300 Park Avenue, New York, N.Y. 10022, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Van Gordon, Todd Donald, 6 Dawn Drive, Basking Ridge, New Jersey, (US)
Kristensen, Knud Norvang, 13 McCarter Avenue, Fair Haven, New Jersey, (US)

Swanson, John Henry, 40 Jacob Street, Bloomfield, New Jersey, (US)

Sherman, Adam, 44 Prospect Park West, Brooklyn, New York, N.Y., (US)

LEGAL REPRESENTATIVE:

Kearney, Kevin David Nicholas et al (32501), KILBURN & STRODE 30 John Street, London, WC1N 2DD, (GB)

PATENT (CC, No, Kind, Date): EP 389257 A1 900926 (Basic)

EP 389257 B1 940216

APPLICATION (CC, No, Date): EP 90303021 900321;

PRIORITY (CC, No, Date): US 327659 890323

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: B65D-033/38; B65D-033/36; B65D-033/02;

ABSTRACT EP 389257 A1

A flexible pouch made from at least one layer of plastic material bonded to form a closed inner chamber for storing liquid. Peripheral portions (14, 16, 18, 20) of the wall material are contoured and then bonded to form a closed pouring spout (24) at a corner of the pouch. The configuration of the spout is defined by the contour of the bonding in the vicinity of that pouch corner. The pouring spout is opened by cutting the pouch corner at an angle. The flexible walls of the pouch are reinforced (22) in the vicinity of the pouring spout to prevent folding. The open spout is intended to be inserted in the open neck of a container to be refilled.

ABSTRACT WORD COUNT: 124

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	190
CLAIMS B	(German)	EPBBF1	168
CLAIMS B	(French)	EPBBF1	193
SPEC B	(English)	EPBBF1	2319

February 28, 2003

Serial 09/871358

Total word count - document A 0

Total word count - document B 2870

Total word count - documents A + B 2870

...SPECIFICATION wall material are bonded along the edges of the recesses to again close off the pouch chamber. Recesses 34 and 35 respectively define closed pouring spouts 24 and 25.

The second recess can be formed simultaneously with formation of the first...

20/3,AB,K/8 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00749980

BULK FOUNTAIN SYRUP DELIVERY AND STORAGE SYSTEM**SYSTEME DE STOCKAGE ET DE DISTRIBUTION DE TYPE FONTAINE D'UN SIROP EN VRAC**

Patent Applicant/Assignee:

THE COCA-COLA COMPANY, One Coca-Cola Plaza, N.W., Atlanta, GA 31313, US,
US (Residence), US (Nationality)

Inventor(s):

BAKER Bradley P, 5335 Cottage Farm Road, Alpharetta, GA 30022, US,
MORLEY Kelli Jo, 4229 Singing Post Lane, Roswell, GA 30075, US,
ARJONA Orlando, 1732 Hickory Grove Trail, Acworth, GA 30102, US,
SCHULTZ Richard B, 3290 Timberloch Drive, Marietta, GA 30068, US,
COBB Alva Claude, 5297 West Bank Drive, Marietta, GA 30068, US,

Legal Representative:

WARREN Daniel J (et al) (agent), Sutherland, Asbill & Brennan, LLP, 999
Peachtree Street, N.E., Atlanta, GA 30309-3996, US,

Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US8190 20000328 (PCT/WO US0008190)

Priority Application: US 29293317 19990416

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SI SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7210

English Abstract

An improved bulk storage system for fluids supplied to a dispensing system (270) by a fluid line (280). The bulk storage system includes a receptacle (110) with a first portal and a second portal. A substantially nonpermeable bag (200) is positioned within the receptacle for storing and dispensing fluids therefrom. The bag includes a first passageway positioned adjacent to the first portal of the receptacle and a second passageway positioned adjacent to the second portal of the receptacle. A support device (170) is positioned adjacent to the receptacle. The first passageway of the bag is attached to the support device and the second passageway of the bag is attached to the fluid line (280) such that fluids in the bag flow through the second passageway to the dispensing system.

Fulltext Availability:

Searcher: Jeanne Horrigan

26

February 28, 2003

Serial 09/871358

Detailed Description

... 0.1 mil. The bags 200 are preferably made from disposable and recyclable materials.

The **bags** 200 also have two (2) **spouts** , an upper spout 210 and a lower spout 220. The spouts 210, 220 are of...